

WEST

Generate Collection

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L9: Entry 2 of 6

File: USPT

Apr 16, 2002

DOCUMENT-IDENTIFIER: US 6372807 B1

TITLE: Process for the conversion of mixed plastic waste

Brief Summary Text (2):

It is known that from end-products manufactured in large amounts, only a small proportion of plastics are recycled after use. The regeneration comprises mainly such plastic articles (e.g. bottles, cans etc.), which are easily recognized and thus easily separated from the waste to either re-utilize directly or to process them in the form of a re-granulated material after washing.

Detailed Description Text (7):

A material mixture originating from a mixed waste collection was processed, in which used packaging materials (plastic films, bags, plastic glasses), cable coating residues and hard plastic caps and the like were well recognizable. By subjecting the material to a two-phase (two-step) crushing (grinding and tearing), an aggregation of crushed particles of 0.1-5 mm in size were obtained. The composition thereof determined by a subsequent analysis was as follows (expressed in % by weight):